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Attorney Docket No. OOMP0001C

U.S. Serial No. 09/735,586

LISTING OF CLAIMS

1. (Currently Amended) A method of analyzing an image including text, the method comprising:

mapping an image to determine regions of text;

analyzing portions of the image in accordance with characteristics of selected regions of the text to develop a desired ordering of at least the selected regions in accordance with a textual relationship between the selected regions.

2. (Currently Amended) The method invention of claim 1 wherein the image includes a complex textual format having one or more articles of text, such as found in a newspaper or magazine page, and the desired ordering is related to the order in which the selected regions are to be presented in a different format appropriate for a specific use.

3. (Currently Amended) The method invention of claims 1 or 2 wherein the desired ordering of the regions includes a preferred order of words in said selected regions.

4. (Currently Amended) The method invention of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a human reader.

5. (Currently Amended) The method invention of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use in transferring the text over a network.

6. (Currently Amended) The method invention of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use in a database.

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7. (Currently Amended) The methodinvention of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a search function.
8. (Currently Amended) The methodinvention of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a word processor.
9. (Currently Amended) The methodinvention of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a printer.
10. (Currently Amended) The methodinvention of claims 1 or 2 wherein the analyzing further comprises:
 - developing a frameset of frame and sub-frame areas of the image each including related regions of text.
11. (Currently Amended) The methodinvention of claims 1 or 2 wherein the analyzing further comprises:
 - identifying groups of regions of text related to textual articles and sub-articles.
12. (Currently Amended) The methodinvention of claims 1 or 2 wherein the analyzing further comprises:
 - ordering regions within a textual article.
13. (Currently Amended) The methodinvention of claims 1 or 2 wherein the analyzing further comprises:
 - identifying groups of regions of text related to textual articles; and
 - ordering regions within textual articles.
14. (Currently Amended) The methodinvention of claims 1 or 2 wherein the analyzing further comprises:
 - normalizing the textual image.

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15. (Currently Amended) The ~~method~~invention of claims 1 or 2 wherein the analyzing further comprises:

columnizing the textual image.

16. (Currently Amended) The ~~method~~invention of claims 1 or 2 wherein the analyzing further comprises:

regionalizing the textual image.

17. (Currently Amended) A system for analyzing an image including text, comprising:

means for mapping an image to determine regions of text by extracting quads from said image and assigning said quads to said regions;

wherein each said quad comprises a bounding rectangle of an individual word in said image;

means for analyzing portions of the image in accordance with characteristics of selected regions of the text to develop a desired ordering of the selected regions in accordance with a textual relationship between the selected regions.

18. (Currently Amended) The ~~invention~~system of claim 17 wherein the image includes a complex textual format having one or more articles of text, such as found in a newspaper or magazine page, and the desired ordering is related to the order in which the selected regions are to be presented in a different format appropriate for a specific use.

19. (Currently Amended) The ~~system~~invention of claims 18 or 19 wherein the desired ordering of the regions includes a preferred order of words in said selected regions.

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- 20.. (Currently Amended) The systeminvention of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a human reader.
21. (Currently Amended) The systeminvention of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use in transferring the text over a network.
22. (Currently Amended) The systeminvention of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use in a database.
23. (Currently Amended) The systeminvention of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a search function.
24. (Currently Amended) The systeminvention of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a word processor.
25. (Currently Amended) The systeminvention of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a printer.
26. (Currently Amended) The systeminvention of claims 18 or 19 wherein the means for analyzing further comprises:
means for developing a frameset of frame and sub-frame areas of the image each including related regions of text.
27. (Currently Amended) The systeminvention of claims 18 or 19 wherein the means for analyzing further comprises:
means for identifying groups of regions of text related to textual articles and sub-articles.
28. (Currently Amended) The systeminvention of claims 18 or 19 wherein the means for analyzing further comprises:

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means for ordering regions within a textual article.

29. (Currently Amended) The system invention of claims 18 or 19 wherein the means for analyzing further comprises:

means for identifying groups of regions of text related to textual articles;

and

means for ordering regions within textual articles.

30. (Currently Amended) The system invention of claims 18 or 19 wherein the means for analyzing further comprises:

means for normalizing the textual image.

31. (Currently Amended) The system invention of claims 18 or 19 wherein the means for analyzing further comprises:

means for columnizing the textual image.

32. (Currently Amended) The system invention of claims 18 or 19 wherein the means for analyzing further comprises:

means for regionalizing the textual image.